

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JUL 02	LMEDLINE coverage updated
NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/Caplus enhanced with utility model patents from China
NEWS	6	JUL 16	Caplus enhanced with French and German abstracts
NEWS	7	JUL 18	Ca/Caplus patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
NEWS	10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	12	AUG 13	CA/Caplus enhanced with additional kind codes for granted patents
NEWS	13	AUG 20	CA/Caplus enhanced with CAS indexing in pre-1907 records
NEWS	14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	15	AUG 27	USPATOLD now available on STN
NEWS	16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/Caplus enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	Caplus coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/Caplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS	25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	26	NOV 19	WPIX enhanced with XML display format
NEWS EXPRESS	19	SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific

research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 07:05:41 ON 26 NOV 2007

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 07:06:12 ON 26 NOV 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*

SESSION RESUMED IN FILE 'HOME' AT 07:46:43 ON 26 NOV 2007

FILE 'HOME' ENTERED AT 07:46:43 ON 26 NOV 2007f

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

=> ile reg

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:46:54 ON 26 NOV 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 NOV 2007 HIGHEST RN 955919-54-7

DICTIONARY FILE UPDATES: 25 NOV 2007 HIGHEST RN 955919-54-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

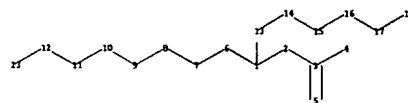
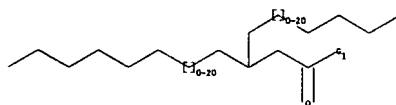
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10587395\10587395 clml genus.str



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 23

chain bonds :

1-2 1-6 1-13 2-3 3-4 3-5 6-7 7-8 8-9 9-10 10-11 11-12 12-23 13-14  
14-15 15-16 16-17 17-18

exact/norm bonds :

3-4 3-5

exact bonds :

1-2 1-6 1-13 2-3 6-7 7-8 8-9 9-10 10-11 11-12 12-23 13-14 14-15 15-16  
16-17 17-18

G1:H,O

Hydrogen count :

1:>= minimum 1 2:>= minimum 2 6:>= minimum 2 7:>= minimum 2 8:>= minimum 2  
9:>= minimum 2 10:>= minimum 2 11:>= minimum 2 12:>= minimum 2 13:>= minimum 2  
14:>= minimum 2 15:>= minimum 2 16:>= minimum 2 17:>= minimum 2 18:>= minimum 3  
23:>= minimum 3

Match level :

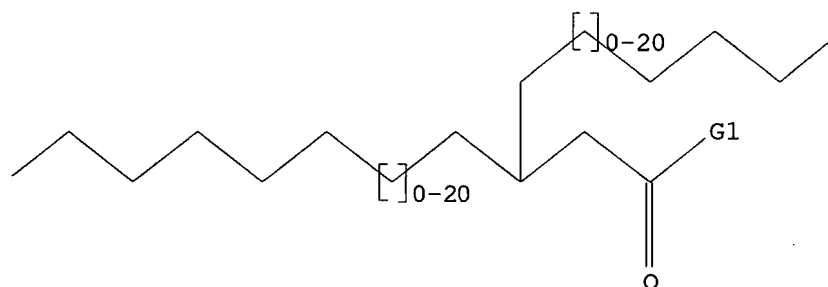
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS  
18:CLASS 23:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 H,O

Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam

SAMPLE SEARCH INITIATED 07:47:25 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 50654 TO ITERATE

3.9% PROCESSED 2000 ITERATIONS 0 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 999650 TO 1026510  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search l1 sss full

FULL SEARCH INITIATED 07:48:31 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1007156 TO ITERATE

99.3% PROCESSED 1000000 ITERATIONS 213 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.06

FULL FILE PROJECTIONS: ONLINE \*\*INCOMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 1007156 TO 1007156  
PROJECTED ANSWERS: 213 TO 257

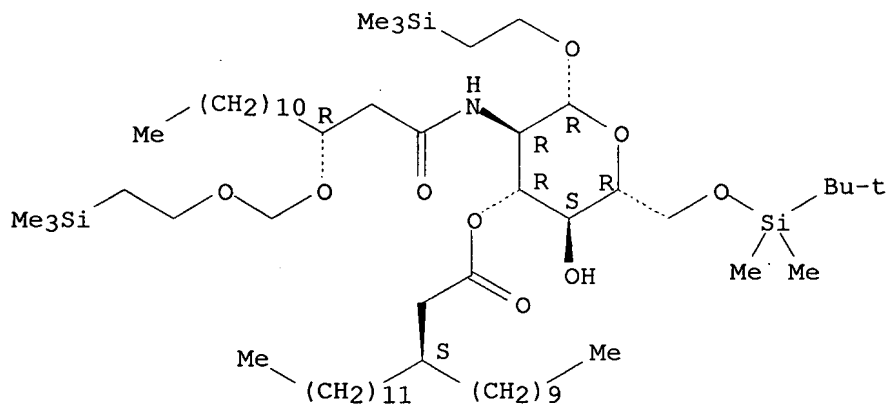
L3 213 SEA SSS FUL L1

=> d scan

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-decylpentadecanoate), [2(R),3(S)]- (9CI)  
 MF C62 H127 N O9 Si3

Absolute stereochemistry.

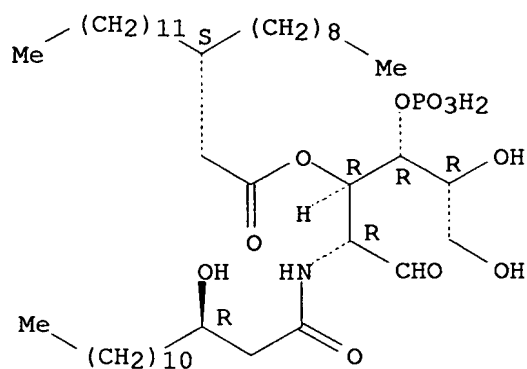


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(dihydrogen phosphate) 3-(3-nonylpentadecanoate), [2(R),3(S)]- (9CI)  
 MF C44 H86 N O11 P

Absolute stereochemistry.

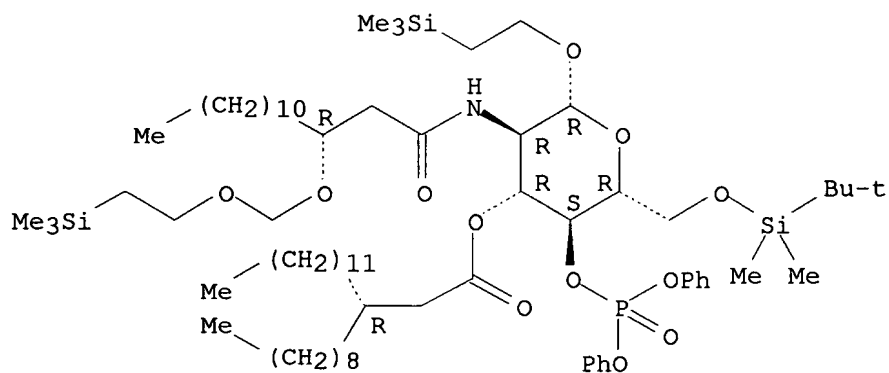


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 4-(diphenyl phosphate) 3-(3-nonylpentadecanoate),

[2(R),3(R)]- (9CI)  
 MF C73 H134 N O12 P Si3

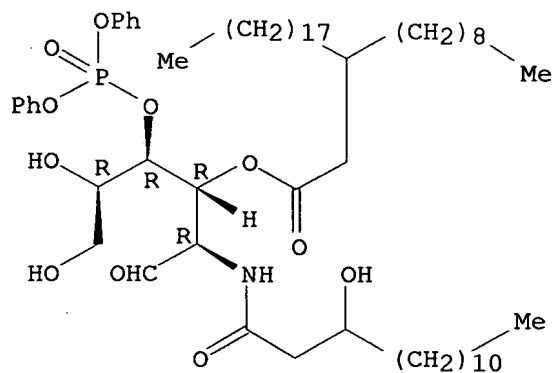
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

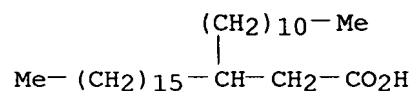
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(diphenyl  
 phosphate) 3-(3-nonylheneicosanoate) (9CI)  
 MF C62 H106 N O11 P

Absolute stereochemistry.



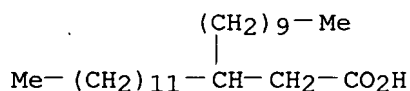
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Nonadecanoic acid, 3-undecyl-  
 MF C30 H60 O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

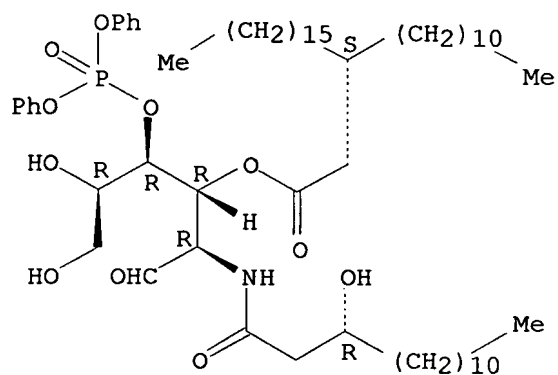
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN Pentadecanoic acid, 3-decyl-  
MF C25 H50 O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(diphenyl phosphate) 3-(3-undecylnonadecanoate), [2(R),3(S)]- (9CI)  
MF C62 H106 N O11 P

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-4,6-O-(1-methylethylidene)-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-undecylnonadecanoate), [2(R),3(R)]- (9CI)  
MF C64 H127 N O9 Si2

Absolute stereochemistry.

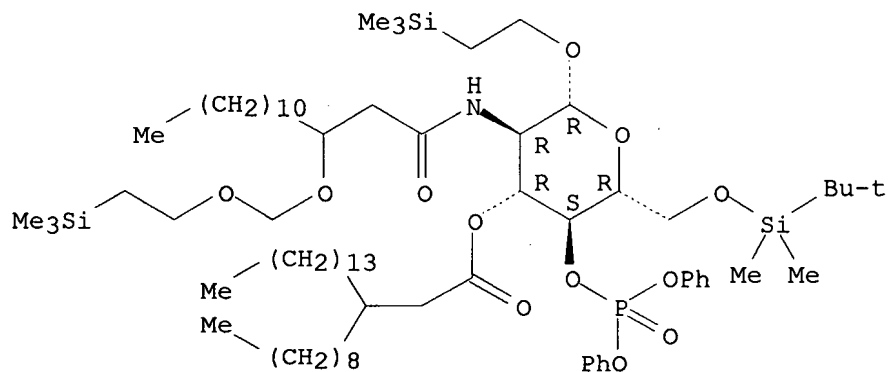


Absolute stereochemistry.



Absolute stereochemistry.

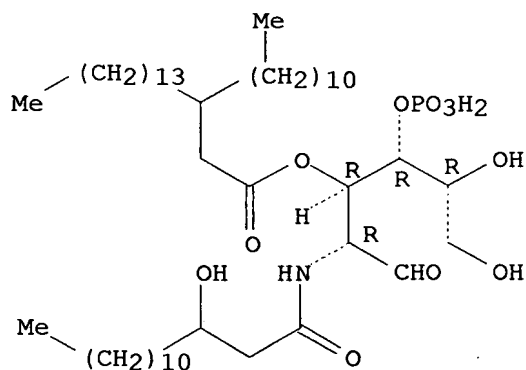




\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

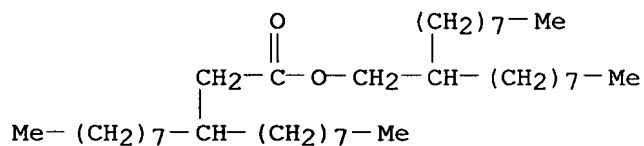
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(dihydrogen  
 phosphate) 3-(3-undecylheptadecanoate)  
 MF C48 H94 N O11 P

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

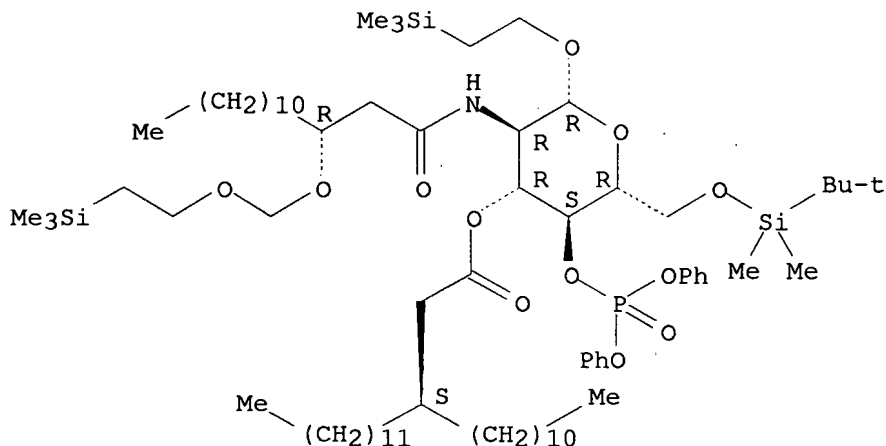
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Undecanoic acid, 3-octyl-, 2-octyldecyl ester  
 MF C37 H74 O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 4-(diphenyl phosphate) 3-(3-undecylpentadecanoate), [2(R),3(S)]- (9CI)  
 MF C75 H138 N O12 P Si3

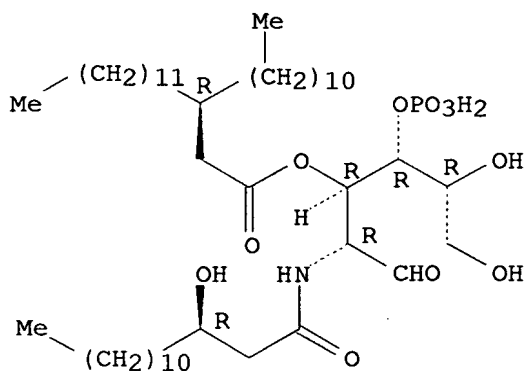
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(dihydrogen phosphate) 3-(3-undecylpentadecanoate), [2(R),3(R)]- (9CI)  
 MF C46 H90 N O11 P

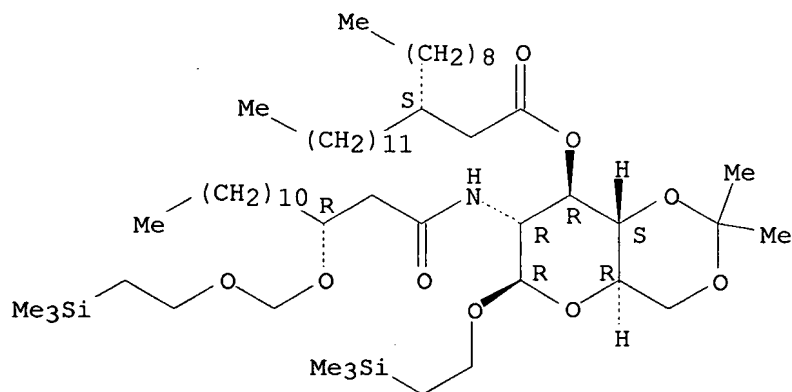
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-4,6-O-(1-methylethylidene)-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylpentadecanoate), [2(R),3(S)]- (9CI)  
 MF C58 H115 N O9 Si2

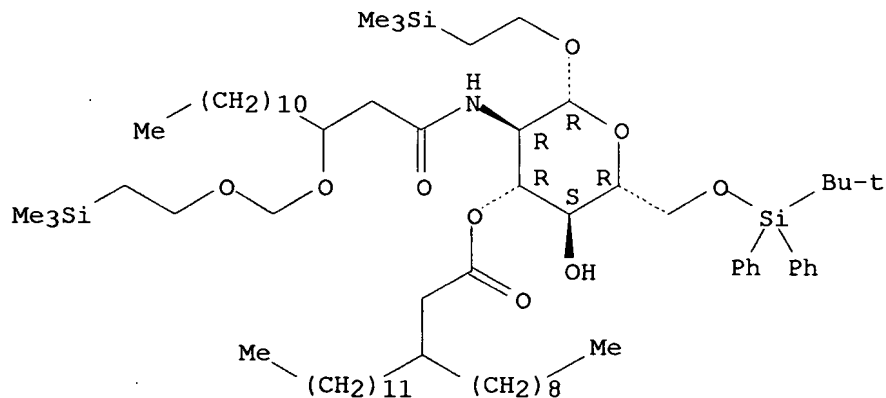
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

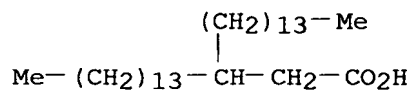
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)diphenylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylpentadecanoate)  
 MF C71 H129 N O9 Si3

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

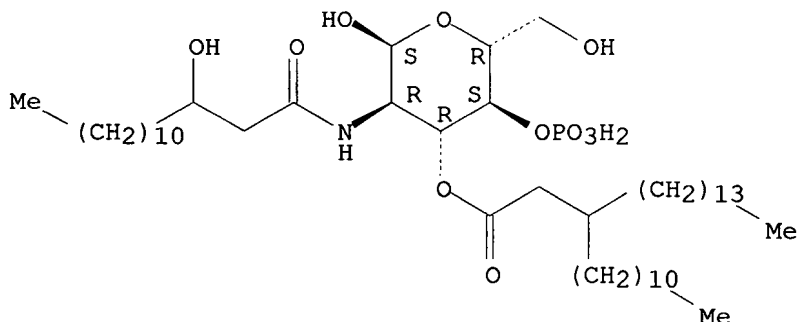
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Heptadecanoic acid, 3-tetradecyl-  
 MF C31 H62 O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\alpha$ -D-Glucopyranose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-,  
 4-(dihydrogen phosphate) 3-(3-undecylheptadecanoate)  
 MF C48 H94 N O11 P

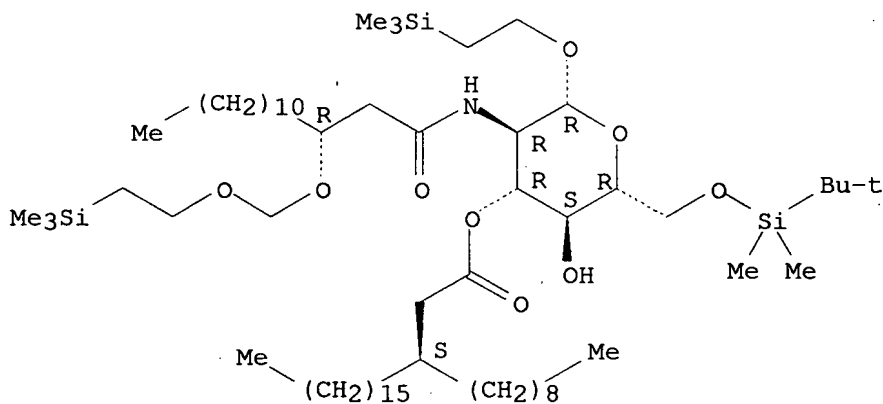
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylnonadecanoate), [2(R),3(S)]- (9CI)  
 MF C65 H133 N O9 Si3

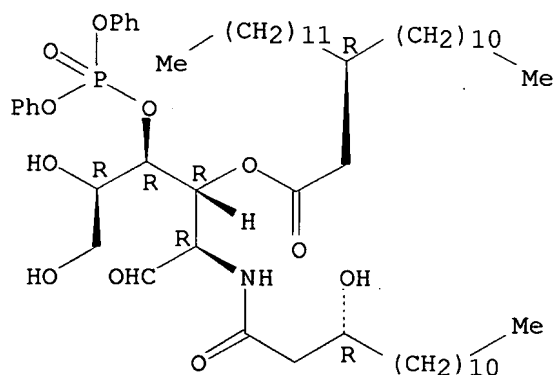
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

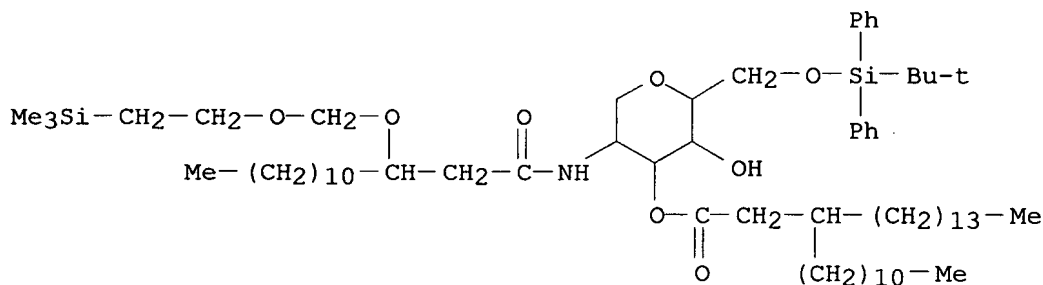
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(diphenyl phosphate) 3-(3-undecylpentadecanoate), [2(R),3(R)]- (9CI)  
 MF C58 H98 N O11 P

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucitol, 1,5-anhydro-2-deoxy-6-O-[(1,1-dimethylethyl)diphenylsilyl]-2-  
 [[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-,  
 3-(3-undecylheptadecanoate) (9CI)  
 MF C70 H125 N 08 Si2

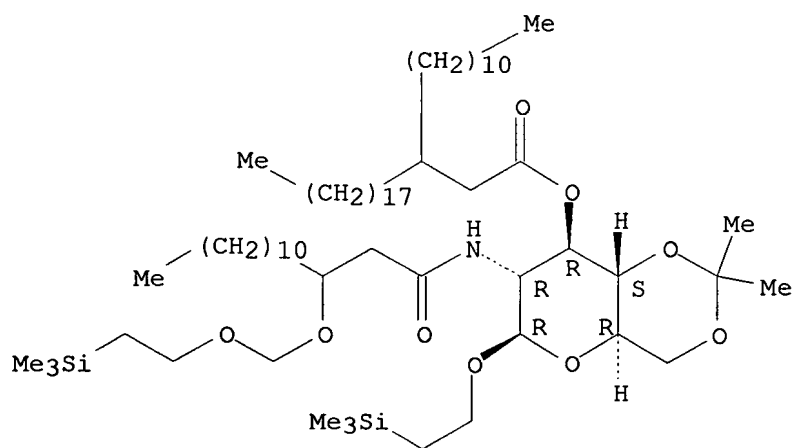


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):30

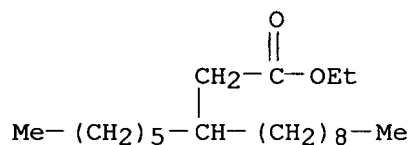
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN β-D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-4,6-O-(1-  
 methylethylidene)-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecy  
 l]amino]-, 3-(3-undecylheneicosanoate)  
 MF C66 H131 N 09 Si2

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

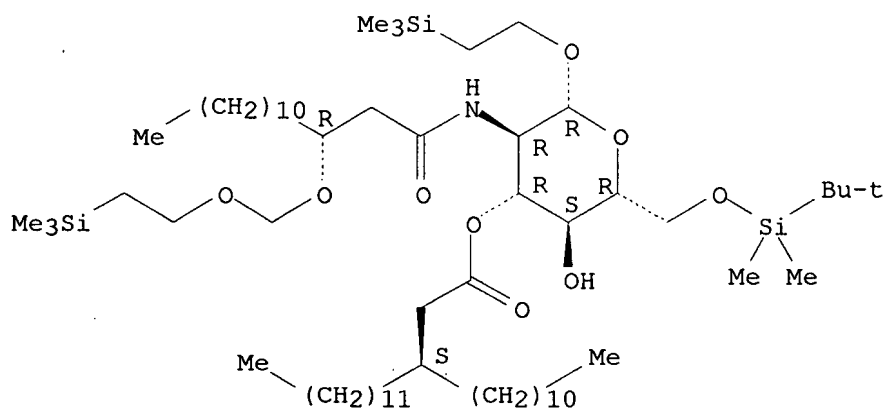
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Dodecanoic acid, 3-hexyl-, ethyl ester (8CI)  
 MF C20 H40 O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-undecylpentadecanoate), [2(R),3(S)]- (9CI)  
 MF C63 H129 N O9 Si3

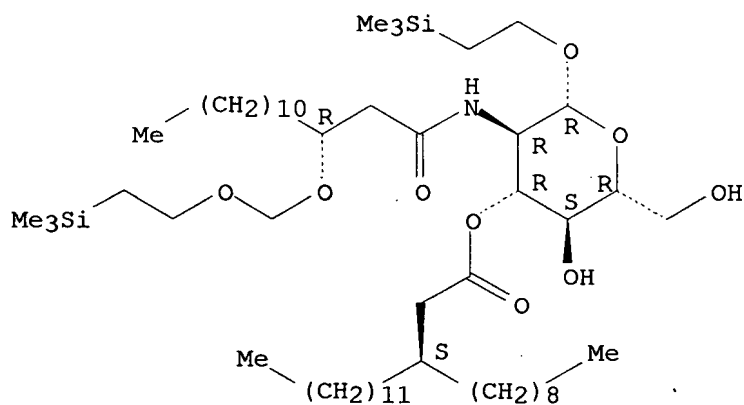
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylpentadecanoate), [2(R),3(S)]- (9CI)  
 MF C55 H111 N O9 Si2

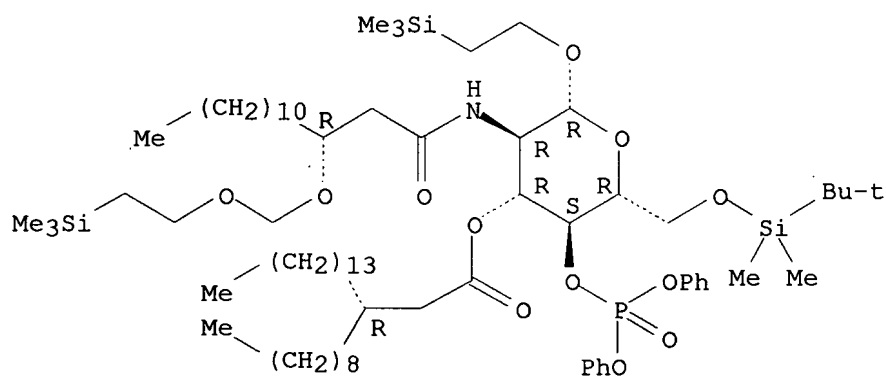
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 4-(diphenyl phosphate) 3-(3-nonylheptadecanoate), [2(R),3(R)]- (9CI)  
 MF C75 H138 N O12 P Si3

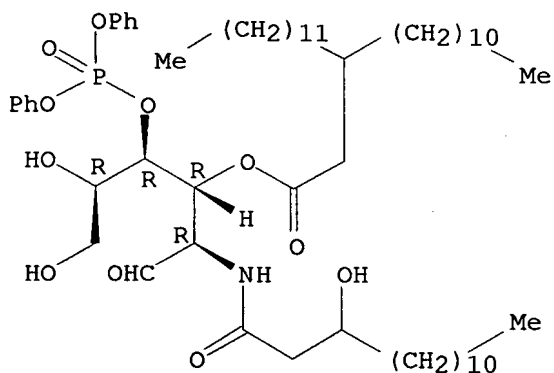
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

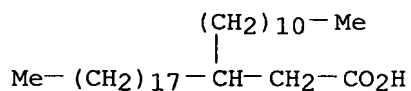
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(diphenyl  
 phosphate) 3-(3-undecylpentadecanoate) (9CI)  
 MF C58 H98 N O11 P

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Heneicosanoic acid, 3-undecyl-  
 MF C32 H64 O2

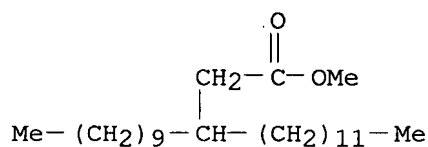


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN



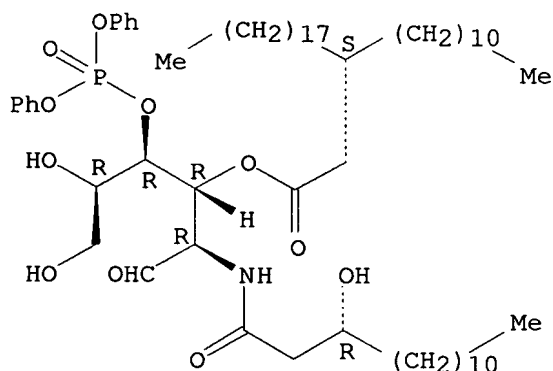
IN Pentadecanoic acid, 3-decyl-, methyl ester  
MF C26 H52 O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(diphenyl phosphate) 3-(3-undecylheneicosanoate), [2(R),3(S)]- (9CI)  
MF C64 H110 N O11 P

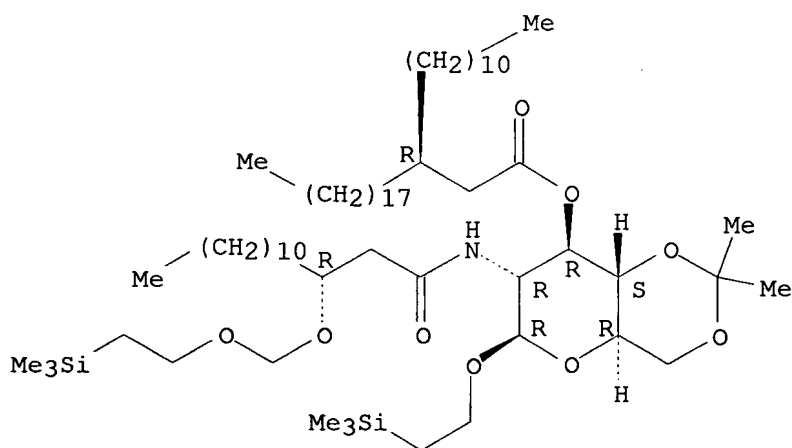
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN β-D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-4,6-O-(1-methylethylidene)-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-undecylheneicosanoate), [2(R),3(R)]- (9CI)  
MF C66 H131 N O9 Si2

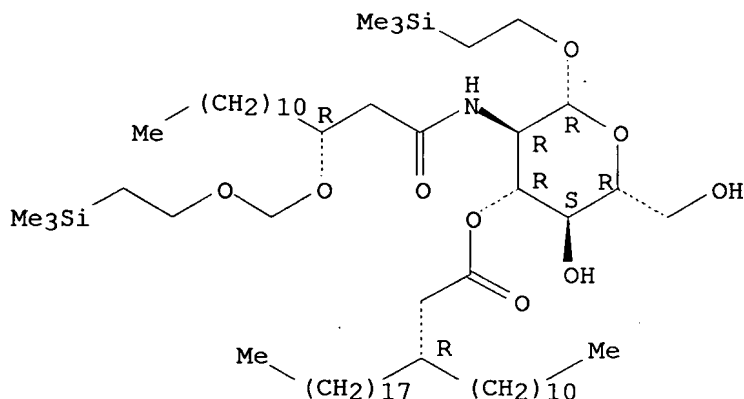
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-undecylheneicosanoate), [2(R),3(R)]- (9CI)  
 MF C63 H127 N O9 Si2

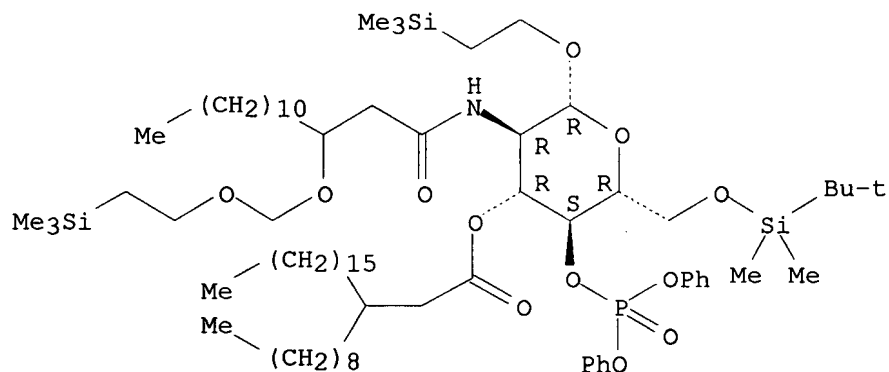
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 4-(diphenyl phosphate) 3-(3-nonylnonadecanoate) (9CI)  
 MF C77 H142 N O12 P Si3

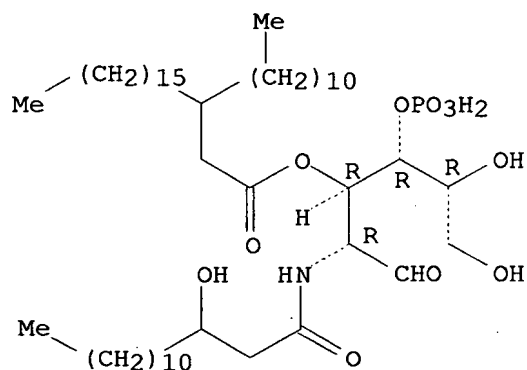
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

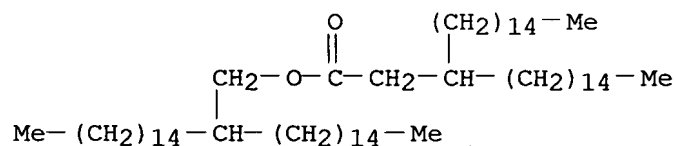
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(dihydrogen  
 phosphate) 3-(3-undecylnonadecanoate)  
 MF C50 H98 N O11 P

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

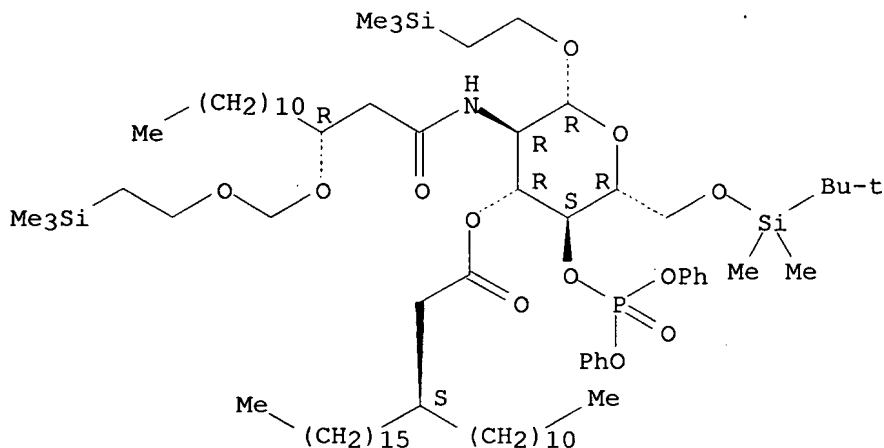
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Octadecanoic acid, 3-pentadecyl-, 2-pentadecylheptadecyl ester  
 MF C65 H130 O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 4-(diphenyl phosphate) 3-(3-undecylnonadecanoate), [2(R),3(S)]- (9CI)  
 MF C79 H146 N O12 P Si3

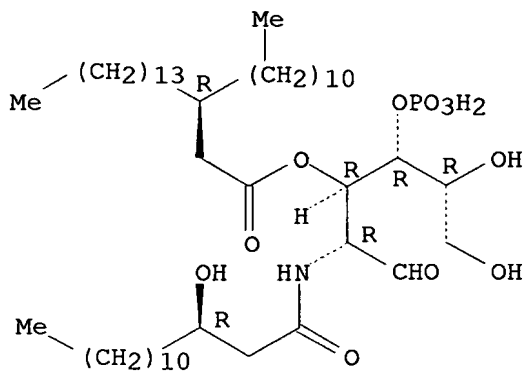
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(dihydrogen phosphate) 3-(3-undecylheptadecanoate), [2(R),3(R)]- (9CI)  
 MF C48 H94 N O11 P

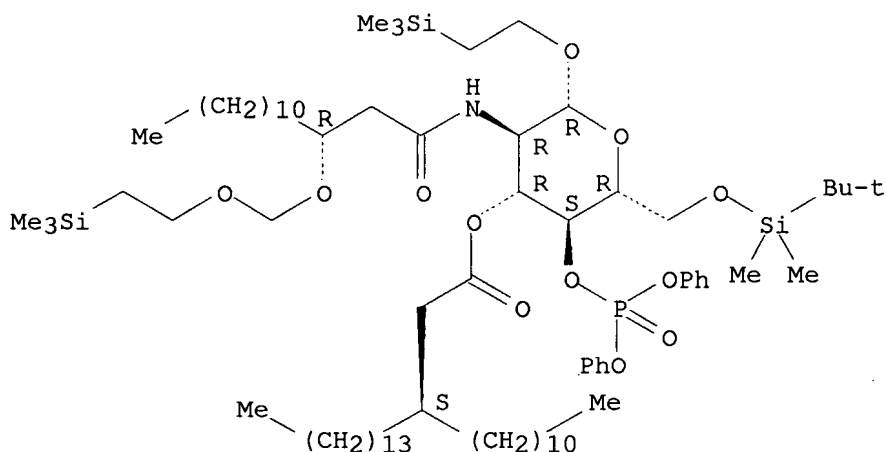
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 4-(diphenyl phosphate) 3-(3-undecylheptadecanoate), [2(R),3(S)]- (9CI)  
 MF C77 H142 N O12 P Si3

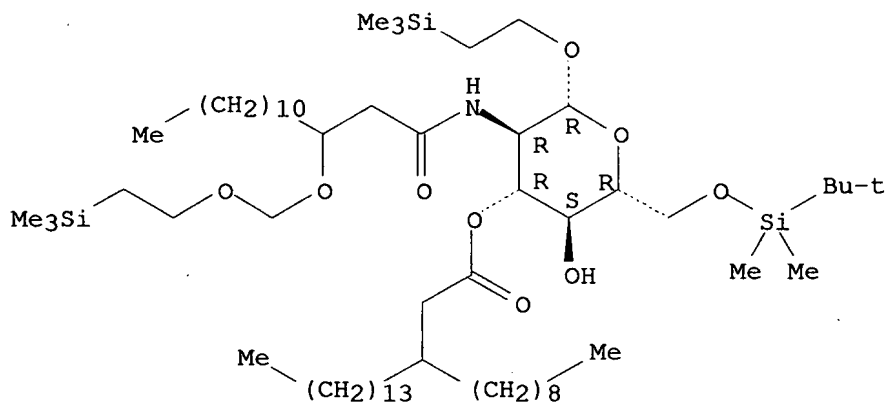
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

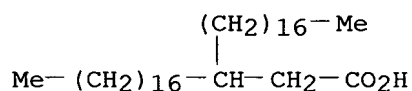
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylheptadecanoate)  
 MF C63 H129 N O9 Si3

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Eicosanoic acid, 3-heptadecyl-  
 MF C37 H74 O2  
 CI COM



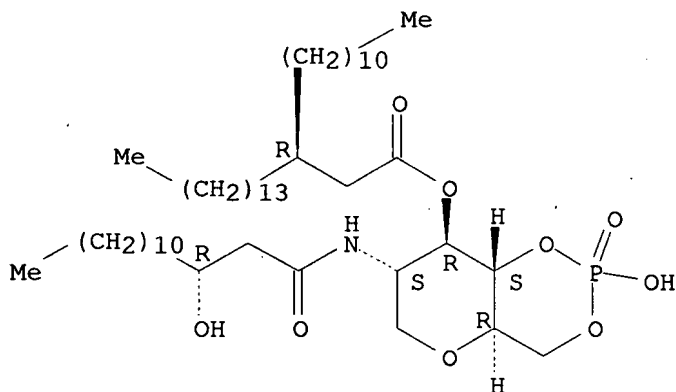
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN D-Glucitol, 1,5-anhydro-2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, cyclic 4,6-(hydrogen phosphate) 3-(3-undecylheptadecanoate), [2(R),3(R)]-(9CI)

MF C48 H92 N O9 P

Absolute stereochemistry.



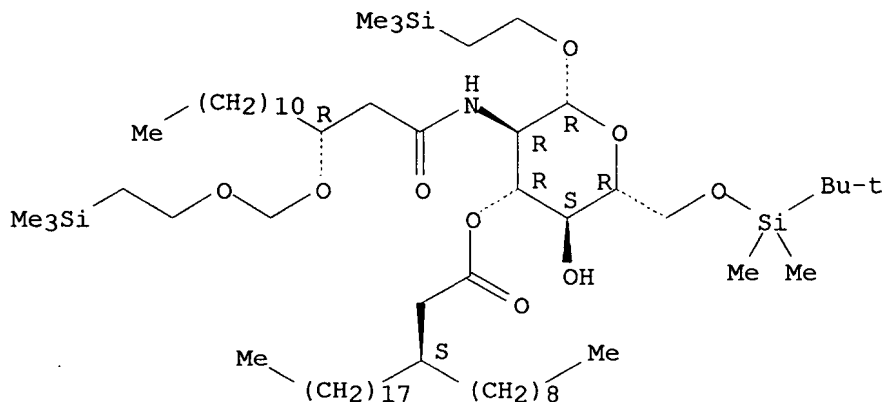
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylheneicosanoate), [2(R),3(S)]-(9CI)

MF C67 H137 N O9 Si3

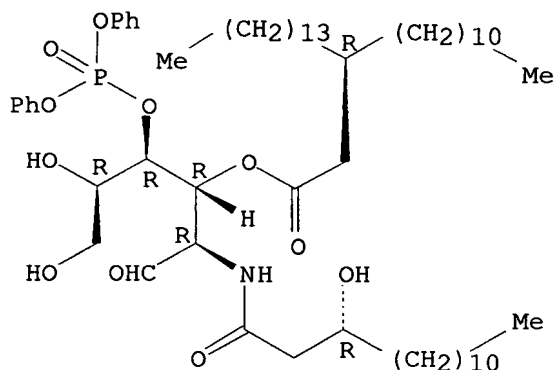
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

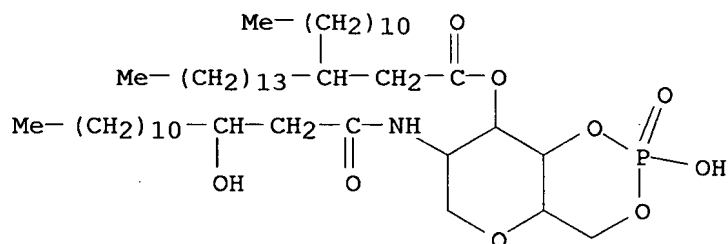
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(diphenyl phosphate) 3-(3-undecylheptadecanoate), [2(R),3(R)]- (9CI)  
 MF C60 H102 N O11 P

Absolute stereochemistry.



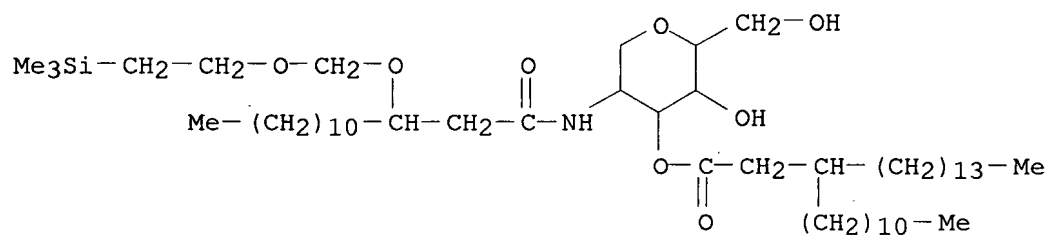
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucitol, 1,5-anhydro-2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, cyclic 4,6-(hydrogen phosphate) 3-(3-undecylheptadecanoate) (9CI)  
 MF C48 H92 N O9 P



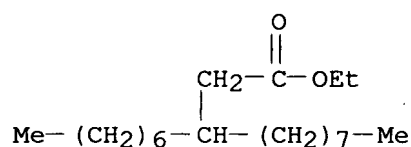
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucitol, 1,5-anhydro-2-deoxy-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-undecylheptadecanoate) (9CI)  
 MF C54 H107 N O8 Si



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

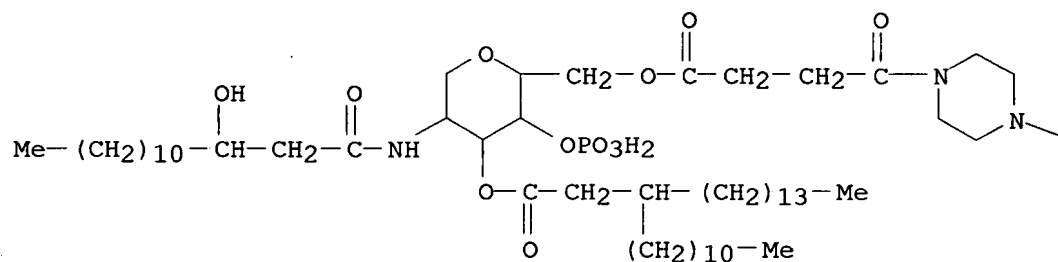
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Undecanoic acid, 3-heptyl-, ethyl ester (8CI)  
 MF C20 H40 O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucitol, 1,5-anhydro-2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(dihydrogen phosphate) 6-(4-methyl-γ-oxo-1-piperazinebutanoate) 3-[3-undecylheptadecanoate] (9CI)  
 MF C57 H108 N3 O12 P

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PAGE 1-B

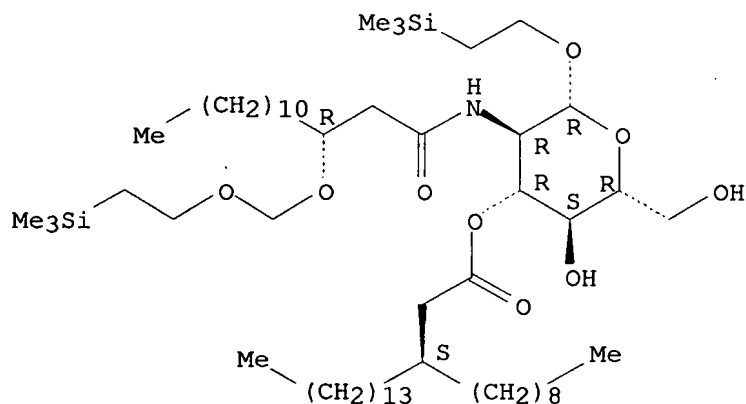
Me

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*



L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylheptadecanoate), [2(R),3(S)]- (9CI)  
 MF C57 H115 N O9 Si2

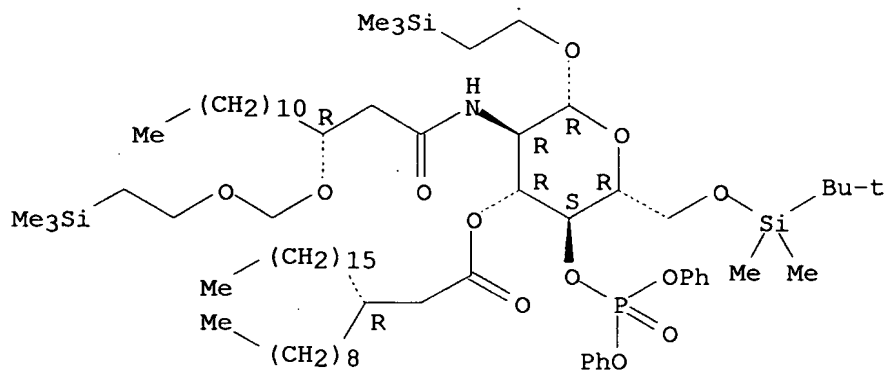
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 4-(diphenyl phosphate) 3-(3-nonylnonadecanoate), [2(R),3(R)]- (9CI)  
 MF C77 H142 N O12 P Si3

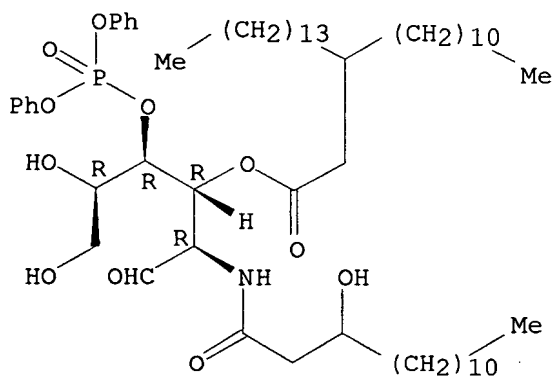
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

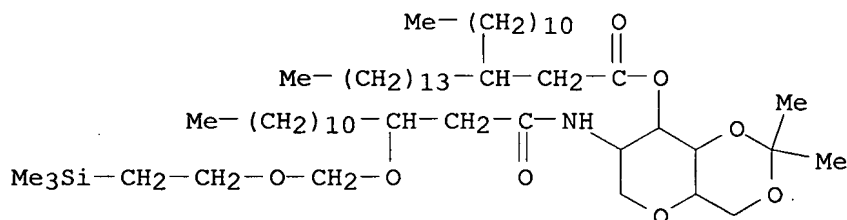
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(diphenyl phosphate) 3-(3-undecylheptadecanoate) (9CI)  
 MF C60 H102 N O11 P

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

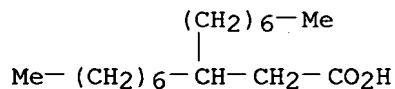
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucitol, 1,5-anhydro-2-deoxy-4,6-O-(1-methylethylidene)-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-undecylheptadecanoate) (9CI)  
 MF C57 H111 N O8 Si



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Decanoic acid, 3-heptyl-  
 MF C17 H34 O2

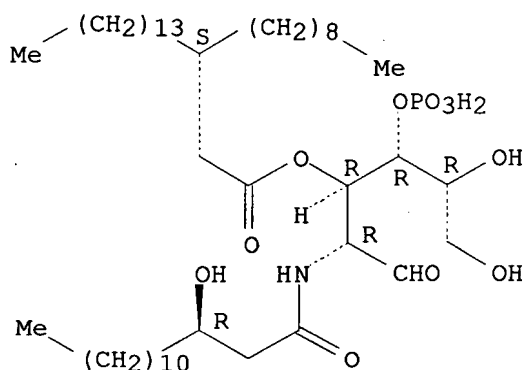


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(dihydrogen phosphate) 3-(3-nonylheptadecanoate), [2(R),3(S)]- (9CI)

MF C46 H90 N O11 P

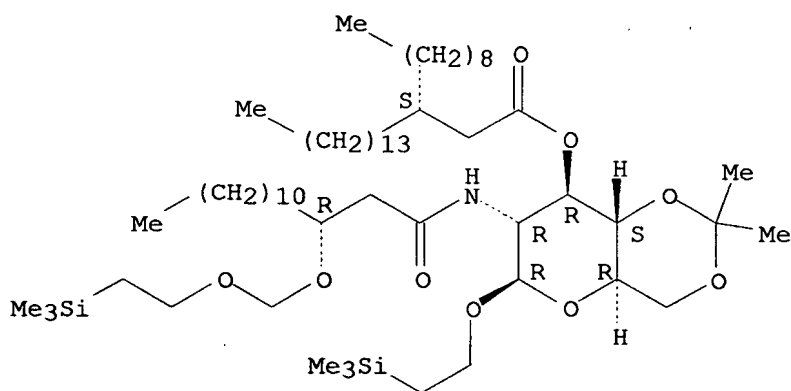
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-4,6-O-(1-methylethylidene)-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylheptadecanoate), [2(R),3(S)]- (9CI)  
MF C60 H119 N O9 Si2

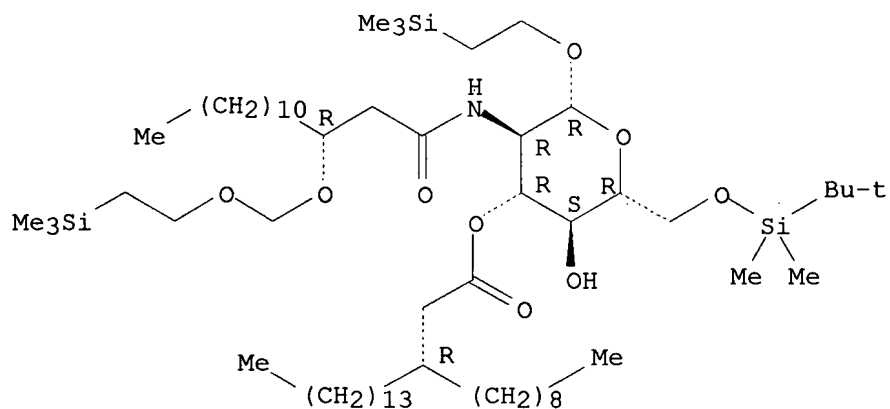
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylheptadecanoate), [2(R),3(R)]- (9CI)  
MF C63 H129 N O9 Si3

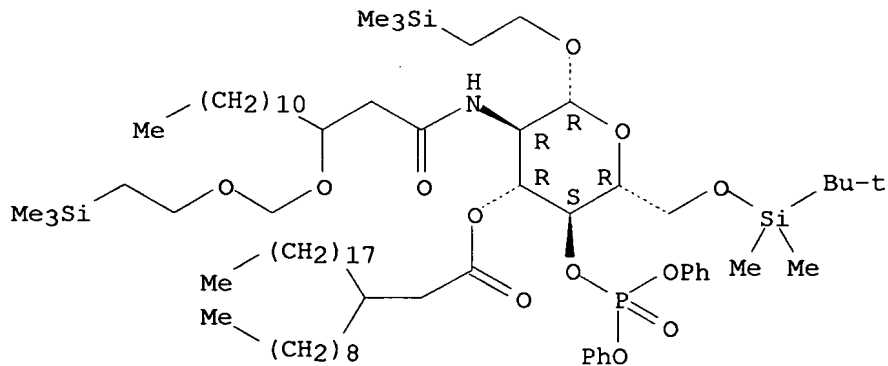
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 4-(diphenyl phosphate) 3-(3-nonylheneicosanoate) (9CI)  
 MF C79 H146 N O12 P Si3

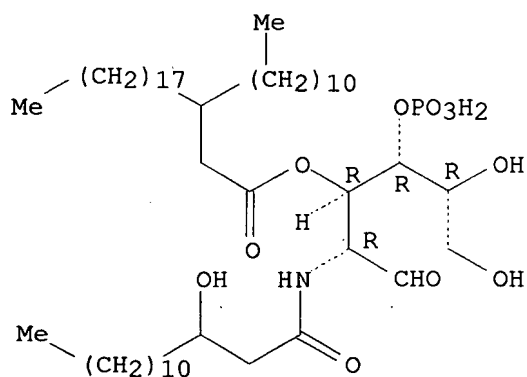
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(dihydrogen phosphate) 3-(3-undecylheneicosanoate)  
 MF C52 H102 N O11 P

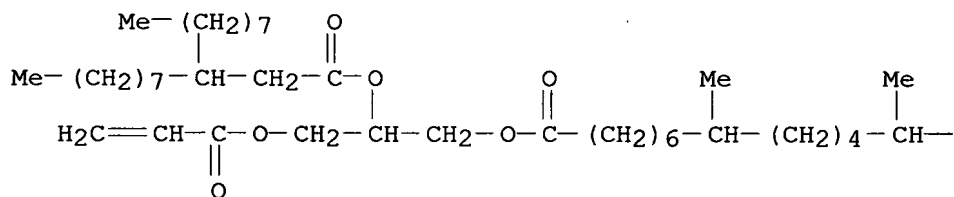
Absolute stereochemistry.



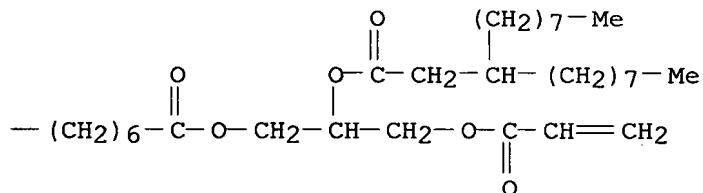
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Eicosanedioic acid, 8,13-dimethyl-, bis[2-[(3-octyl-1-oxoundecyl)oxy]-3-  
 [(1-oxo-2-propenyl)oxy]propyl] ester (9CI)  
 MF C72 H130 O12  
 CI COM

PAGE 1-A



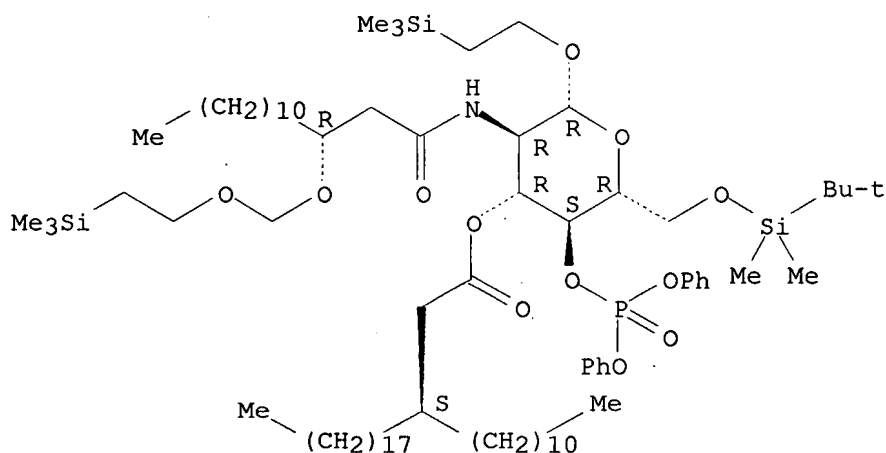
PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-  
 dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methox  
 y]tetradecyl]amino]-, 4-(diphenyl phosphate) 3-(3-undecylheneicosanoate),  
 [2(R),3(S)]- (9CI)  
 MF C81 H150 N O12 P Si3

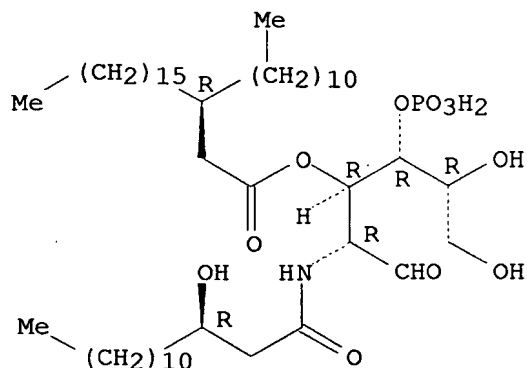
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(dihydrogen  
 phosphate) 3-(3-undecylnonadecanoate), [2(R),3(R)]- (9CI)  
 MF C50 H98 N O11 P

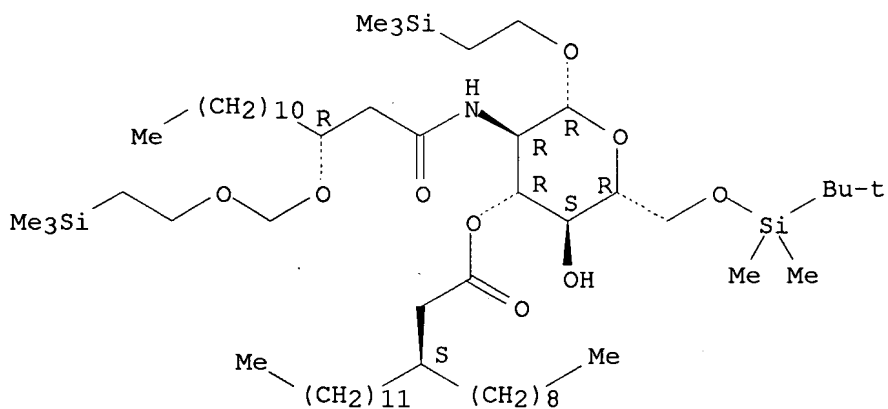
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-  
 dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methox  
 y]tetradecyl]amino]-, 3-(3-nonylpentadecanoate), [2(R),3(S)]- (9CI)  
 MF C61 H125 N O9 Si3

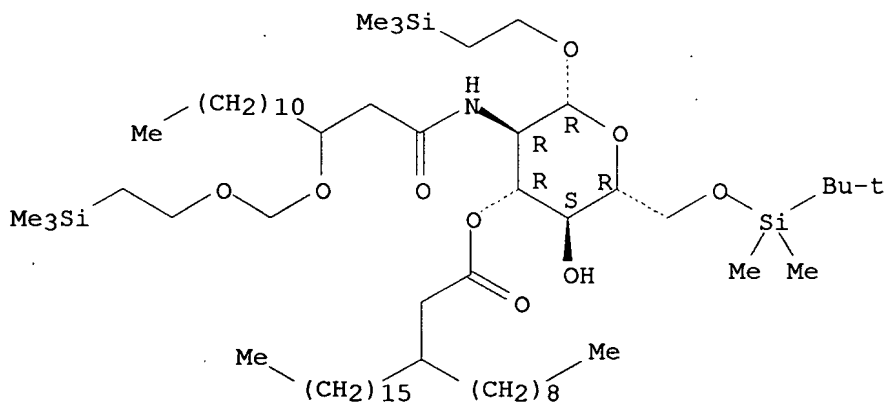
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

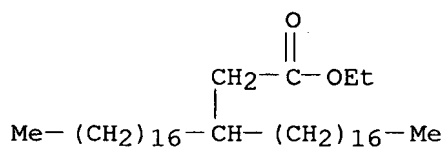
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylnonadecanoate)  
 MF C65 H133 N 09 Si3

Absolute stereochemistry.



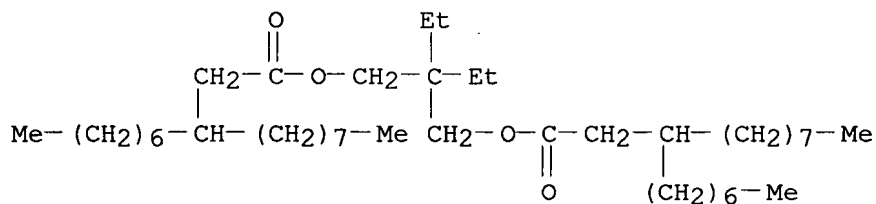
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Eicosanoic acid, 3-heptadecyl-, ethyl ester  
 MF C39 H78 O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

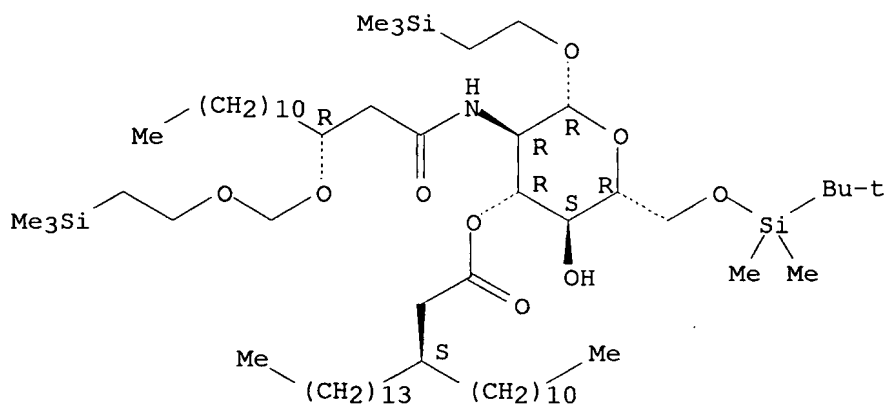
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Undecanoic acid, 3-heptyl-, 2,2-diethyl-1,3-propanediyl ester (9CI)  
 MF C43 H84 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-6-O-[(1,1-dimethylethyl)dimethylsilyl]-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-undecylheptadecanoate), [2(R),3(S)]- (9CI)  
 MF C65 H133 N O9 Si3

Absolute stereochemistry.

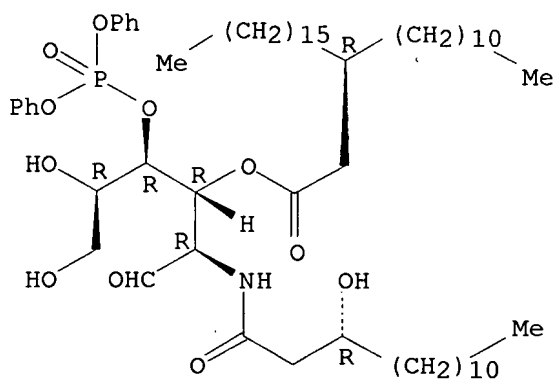


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, 4-(diphenyl phosphate) 3-(3-undecylnonadecanoate), [2(R),3(R)]- (9CI)  
 MF C62 H106 N O11 P

Absolute stereochemistry.

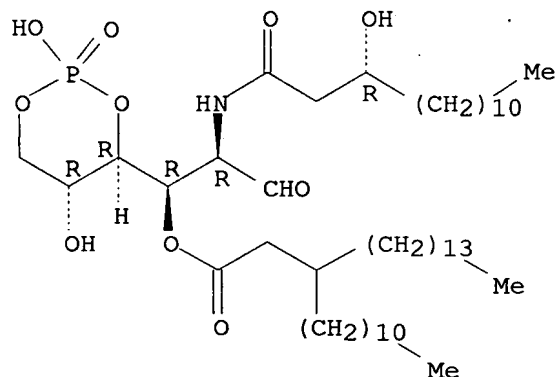




\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

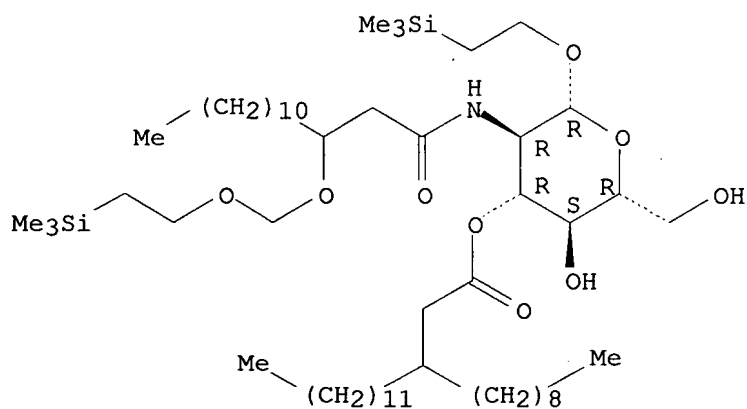
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucose, 2-deoxy-2-[(3-hydroxy-1-oxotetradecyl)amino]-, cyclic  
 4,6-(hydrogen phosphate) 3-(3-undecylheptadecanoate) (9CI)  
 MF C48 H92 N O10 P

Absolute stereochemistry.



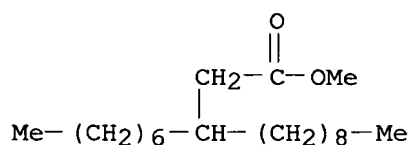
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylpentadecanoate)  
 MF C55 H111 N O9 Si2

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

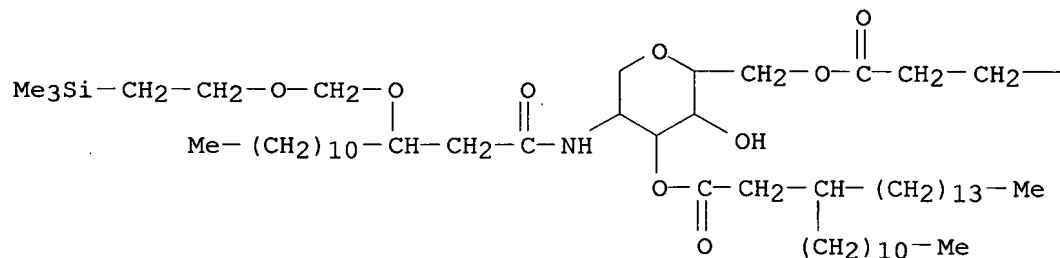
L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Dodecanoic acid, 3-heptyl-, methyl ester (9CI)  
 MF C20 H40 O2

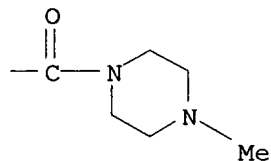


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Glucitol, 1,5-anhydro-2-deoxy-2-[[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 6-(4-methyl-γ-oxo-1-piperazinebutanoate) 3-(3-undecylheptadecanoate) (9CI)  
 MF C63 H121 N3 O10 Si

PAGE 1-A

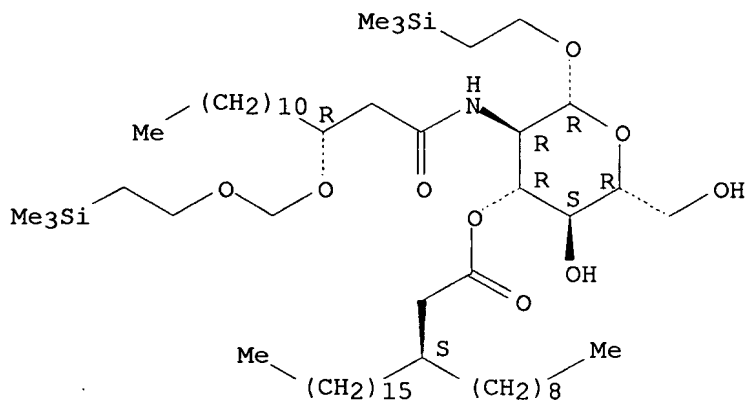




\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 213 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN  $\beta$ -D-Glucopyranoside, 2-(trimethylsilyl)ethyl 2-deoxy-2-[[1-oxo-3-[[2-(trimethylsilyl)ethoxy]methoxy]tetradecyl]amino]-, 3-(3-nonylnonadecanoate), [2(R),3(S)]- (9CI)  
 MF C59 H119 N O9 Si2

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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L4 45 L3

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=> d l4 35-45 ti

L4 ANSWER 35 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI The synthesis and Langmuir-Blodgett film formation of branched fatty acids with two long alkyl chains

L4 ANSWER 36 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Muramyl dipeptides and their use as immunoregulators

L4 ANSWER 37 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Functionalization of polyolefins: structure of functional groups in polyethylene reacted with ethyl diazoacetate

L4 ANSWER 38 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Hydrocarboxylation of single crosslinked  $\alpha$ -olefins

L4 ANSWER 39 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI New pathways in branched acids, isomers of normal saturated fatty acids

L4 ANSWER 40 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Aliphatic esters

L4 ANSWER 41 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Monolayers of branched-chain fatty acids. I

L4 ANSWER 42 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Antibacterial action of fatty acids. III. A series of some symmetrical branched-chain fatty acids

L4 ANSWER 43 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Antibacterial action of fatty acids. VII. Mechanism of antibacterial action of branched-chain fatty acids

L4 ANSWER 44 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Antibacterial action of fatty acids. VI. Antibacterial action of fatty acids with terpenyl or phenyl group in  $\alpha$ - and  $\beta$ -position

L4 ANSWER 45 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Long-chain acids containing a quaternary C atom. II

=> d l4 39-41, 45 ti fbib abs

L4 ANSWER 39 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN

TI New pathways in branched acids, isomers of normal saturated fatty acids  
 AN 1978:6287 CAPLUS  
 DN 88:6287  
 OREF 88:1061a,1064a  
 TI New pathways in branched acids, isomers of normal saturated fatty acids  
 AU Ucciani, E.; Bensimon, Y.; Ranguis, P.  
 CS Lab. Chim. Org. Appl., Univ. Aix-Marseille III, Marseille, Fr.  
 SO Actes Congr. Mond. - Soc. Int. Etude Corps Gras, 13th (1976), Volume Sect. C, 43-50. Editor(s): Naudet, M.; Ucciani, M.; Uzzan, A. Publisher: ITERG, Paris, Fr.  
 CODEN: 36NUA6  
 DT Conference  
 LA French  
 AB Ion-exchange catalyzed condensation of aldehydes  $\text{Me}(\text{CH}_2)_n\text{CH}_2\text{CHO}$  ( $n = 1-9$ ) gave 55-88%  $\text{Me}(\text{CH}_2)_n\text{CH}_2\text{CH}:\text{C}(\text{CHO})(\text{CH}_2)_n\text{Me}$  (I), which can be converted into  $\alpha$ -,  $\beta$ -, or  $\gamma$ -branched acids via hydrogenation and oxidation, cyanation, or Wittig reactions. Thus, hydrogenation of I ( $n = 6$ ) over  $\text{Co}_2(\text{CO})_8$  and then catalytic oxidation gave 60%  $\text{Me}(\text{CH}_2)_8\text{CH}(\text{CO}_2\text{H})(\text{CH}_2)_6\text{Me}$ .

L4 ANSWER 40 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN

TI Aliphatic esters  
 AN 1969:523600 CAPLUS  
 DN 71:123600  
 TI Aliphatic esters  
 IN Wood, John; Forbes, Alan D.  
 PA British Petroleum Co. Ltd.  
 SO S. African, 11 pp.  
 CODEN: SFXAB  
 DT Patent  
 LA Russian  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ZA 6805204		19690120	ZA	
				GB	19670817
	DE 1793209			DE	
	FR 1576240			FR	
	GB 1239394			GB	
AB	The title compds., obtained from $\text{N}_2\text{CH}_2\text{CO}_2\text{Et}$ (I) and hexadecane (II) or docosane, are described. For example, 2.55 g. I was added to 24 g. II over 5 hrs. at $20^\circ$ and irradiated in a medium-pressure Hg-arc reactor 16 hrs. to give an ester mixture containing 12.2% Et stearate, 17.1% Et 3-methylheptadecanoate, 13.4% Et 3-ethylhexadecanoate, 12.2% Et 3-propylpentadecanoate, 11.5% Et 3-butyltetradecanoate, and 33.6% Et 3-pentyltridecanoate-Et 3-hexyldodecanoate-Et 3-heptylundecanoate. An analogous mixture was prepared from docosane.				

L4 ANSWER 41 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN

TI Monolayers of branched-chain fatty acids. I  
 AN 1953:30942 CAPLUS  
 DN 47:30942  
 OREF 47:5213g-i,5214a  
 TI Monolayers of branched-chain fatty acids. I  
 AU Izawa, Masami  
 CS Natl. Inst. Health, Tokyo  
 SO Bulletin of the Chemical Society of Japan (1952), 25, 182-7  
 CODEN: BCSJA8; ISSN: 0009-2673  
 DT Journal  
 LA Unavailable  
 AB Force-area curves were determined with the Langmuir-Adam type of surface balance for several fatty acids with branched chains. Study of monolayer behavior of these compds. was expected to contribute to an understanding of the bactericidal action, though this was not realized. Plots are

presented of surface pressure vs. area for the following acids: methylundecyldodecylacetic, ethyldecyldodecylacetic, phthioic, 3-methylpalmitic, 3-methyl-3-ethyltridecanoic, 3-methyl-3-ethylpentadecanoic, 2-heptylnonanoic, 3-heptyldecanoic, 4-heptylundecanoic, 2-ethyltridecanoic, 2-ethylpalmitic, 2-ethylstearic, 2-ethylarachidic, 2-methylmyristic, 2-propylmyristic, and 2-ethylpalmitic. The values of  $F_0$  and  $a_0$  in the Langmuir equation for liquid-expanded films were calculated from the curves. A definite correlation is shown between these consts. and the structure of the mols. in the films. The work indicates that phthioic acid is not of the trialkylacetic acid type as postulated by Stenhagen (C.A. 35, 5371.6) and Robinson (C.A. 34, 5103.1).

L4 ANSWER 45 OF 45 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Long-chain acids containing a quaternary C atom. II  
 AN 1944:10045 CAPLUS  
 DN 38:10045  
 OREF 38:1469a-g  
 TI Long-chain acids containing a quaternary C atom. II  
 AU Polgar, N.; Robinson, Robert  
 SO Journal of the Chemical Society (1943) 615-19  
 CODEN: JCSOA9; ISSN: 0368-1769  
 DT Journal  
 LA Unavailable  
 AB cf. C. A. 37, 603.3. The provisional formulation of phthioic acid as ethyldecyldodecylacetic acid (I) (Stenhagen and Stallberg, C. A. 35, 5371.6) has been proved incorrect by the synthesis of I. It is believed that the chain must be longer than thought possible from the x-ray evidence. It seems that any structure with 2 long chains of comparable length will be found inconsistent with the small area of the compressed films of phthioic acid. There is probably only 1 long chain and the smaller apparent length is caused by considerable tilting of the mols. Me decyldodecylacetate (b0.25 198-200°; 21 g.) in 450 cc. ether containing Ph3CNa (from 21 g. Ph3CCl) in a N atmospheric, treated with 30 mg. MeI for 20 h., gives 16 g. of a yellow oil, b0.2 196-200°; hydrolysis with 25% EtOH-KOH, formation of the Pb salt, treatment with dilute HNO3, conversion into the amide and crystallization from MeOH or Me2CO, give 8 g. of the more soluble amide, m. 42°, of methyldecyldodecylacetic acid (II), m. 41° (after 8 mo, 44.5°); the acid did not yield crystalline salts with quinine, cinchonine, strychnine or brucine. Similarly EtI yields I, m. 27-8° (after some weeks, 31°); the amide is a viscous oil. Heptyltetradecylacetic acid, m. 42°; the Me ester, reacted with Ph3CNa and MeI, gives methylheptyltetradecylacetic acid, m. 44°; amide, m. 30-1°. The same method converts (C7H15)2CHCO2Me into methyl-diheptylacetic acid, b0.2 171-1.5°; amide, b0.2 181-2°. C9H19Ac (25 g.) and Cl2H25MgBr give 21 g. of methyl-nonyldodecylcarbinol, b0.2 200-4°. Et sec-hendecylmalonate (b18 180-2°, 70% yield) yields 50% of Et sec-hendecyldodecylmalonate, b0.16 210-12°; hydrolysis and decarboxylation give  $\beta$ -methyl- $\alpha$ -dodecyl lauric acid (III), b0.3 228-30°, m. 67°; amide, m. 102-3°. Decyldodecylacetic acid, through the diazo ketone, yields  $\beta$ -decyl- $\beta$ -dodecyl-propionic acid, solidifies at 0°, m. at room temperature but at 26.5° after several weeks; Me ester, b0.25 212-14°; amide, m. 55°. III (5 g.) through the diazo ketone gives 3 g. of 4-methyl-3-dodecyltridecanoic acid, b0.1 209-10°; the amide is liquid. Similarly II yields  $\beta$ -methyl- $\beta$ -decyl- $\beta$ -dodecyl-propionic acid, a viscous oil; Me ester, b0.2 196-7°; the amide is liquid (C10H21)2CO (40 g.), 14 g. Zn, 28.5 g. BrCH2CO2Et, 75 cc. ether and 75 cc. C6H6, heated 6 h. on the water bath, give 36 g. of Et 3-decyl-2-tridecenoate, b0.4 192-6°, n19D 1.4600; catalytic reduction gives 29.5 g. of Et 3-decyltridecanoate, b0.2 179-81°, n19D 1.4539;

reduction of this ester with 35 g. Na in 160 cc. BuOH and 260 cc. petr. ether gives 7 g. of acid and 8 g. of 3-decyl-1-tridecanol, b0.15 163-5°, n21D 1.4608. The iodide and CHNa(CO2Et)2 give 6 g. of Et (3-decyltridecyl) malonate, b0.45 221-4°, n22D 1.4540; this yields 2.4 g. of 2-methyl-5-decyl-pentadecanoic acid, viscous oil, n23D 1.4579; monolayer films of this acid could not be compressed without collapse below an area of about 64 sq. A.

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SESSION

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ENTRY

SESSION

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NEWS 6	JUL 16	CAPplus enhanced with French and German abstracts
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NEWS 19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 20	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
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